



Missouri Department of Natural Resources

## Total Maximum Daily Load Information Sheet

### Pike Creek

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#### Water Body Segment at a Glance:

**County:** Butler  
**Nearby Cities:** Poplar Bluff  
**Length of impaired segment:** 6 miles  
**Length of impairment within segment:** 1.3 mile  
**Pollutant:** Temperature  
**Source:** Channelization  
**Water Body ID:** 2815



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**Scheduled for TMDL development:** 2012

#### Description of the Problem

##### Beneficial uses of Pike Creek

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation
- Irrigation

##### Use that is impaired

- Protection of Warm Water Aquatic Life

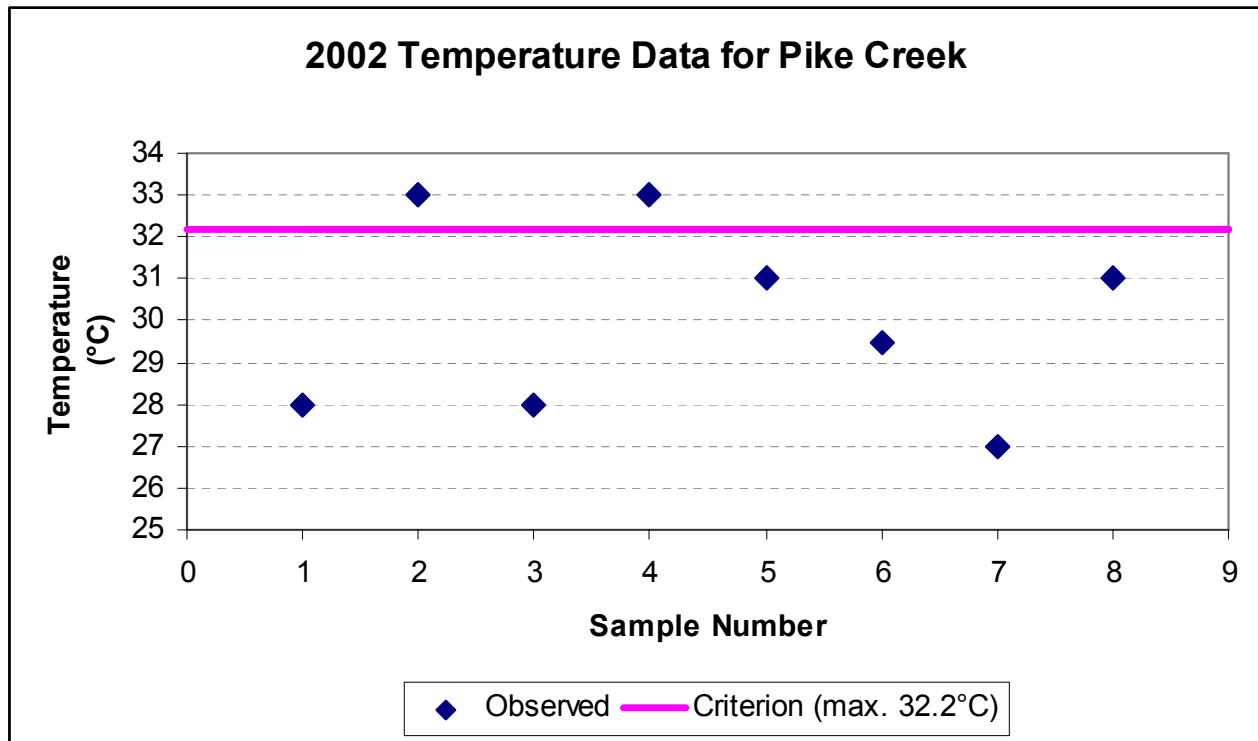
##### Standards that apply

- The criteria for temperature are found in Missouri's Water Quality Standards found at 10 CSR 20-7.031(4)(D), where it states:  
For general and limited warm-water fisheries beyond the mixing zone, water contaminant sources and physical alteration of the water course shall not raise or lower the temperature of a stream more than five degrees Fahrenheit (2 and 7/9 degrees Celsius) or cause or contribute to stream temperature in excess of 90 degrees F (32 2/9 degrees C).

##### Background information and water quality data

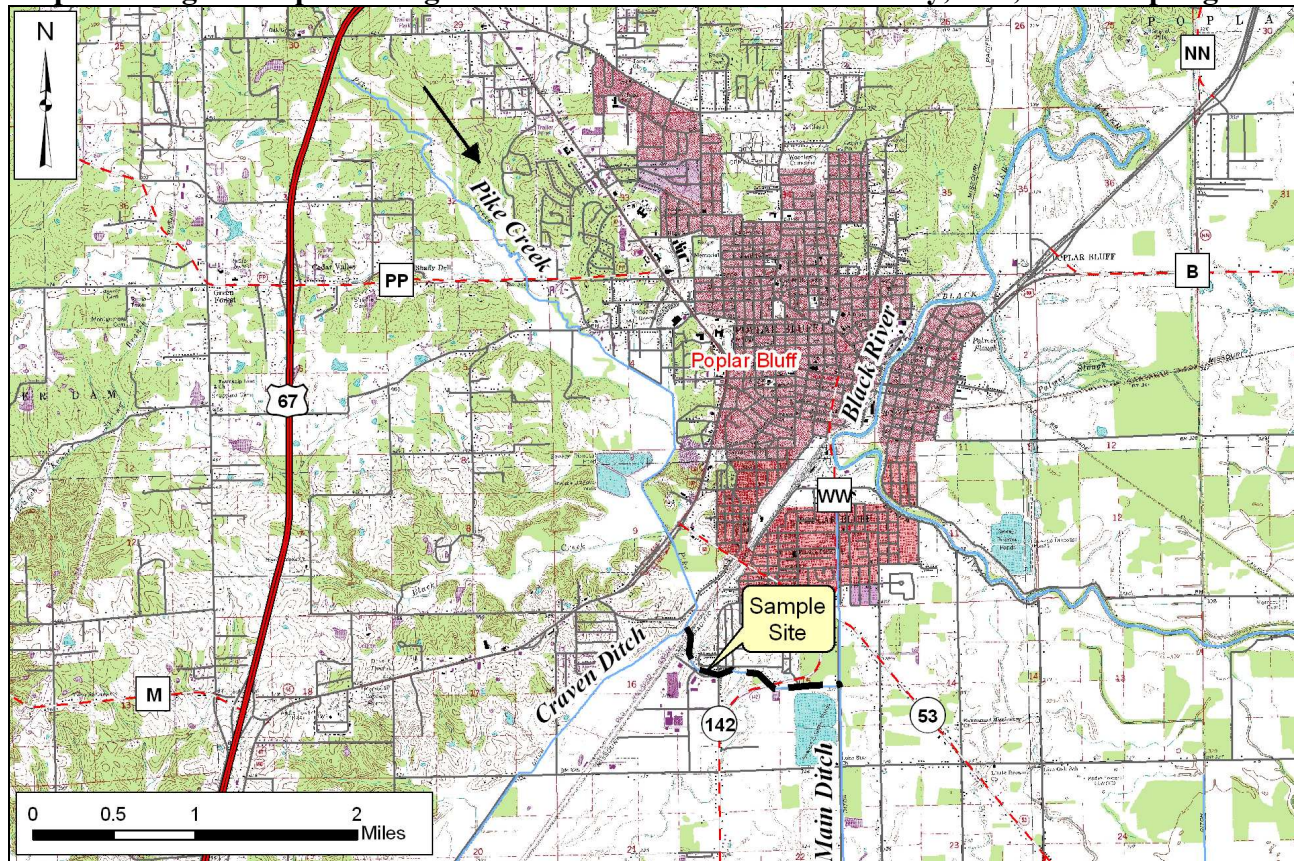
The downstream portion of Pike Creek, west and south of Poplar Bluff, has been channelized (straightened). For water temperature, a water body is judged as impaired if more than ten percent

of the measurements fail to meet the water quality criterion. Data gathered by the department in 2002 showed the temperature exceeded 32.2°C in two of eight samples, or 25.0 percent.



A map of Pike Creek may be found on the next page.

### Map Showing the Impaired Segment of Pike Creek in Butler County, Mo., and Sampling Site



--- Impaired Segment

→ Direction of flow

#### Sample Site

Pike Cr. at Marva Road above Poplar Bluff lagoon

#### For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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Program Home Page: [www.dnr.mo.gov/env/wpp/index.html](http://www.dnr.mo.gov/env/wpp/index.html)